

Resubmission of Amendments to the Specification

Please replace paragraph [0042] as filed with the following amended paragraph.

5 [0042] Essentially, the network delay estimator 38 first estimates a network delay for the current packet based on network statistics of the current packet and of the previous packets. The network delay estimator 38 then forwards the estimated network delay for the current packet to the playout controller 42. The playout controller 42 then calculates a mean network delay variance for the current packet using the mean network delay, the smoothing factor, and the network delay variance. The playout
10 controller 42 then calculates a playout delay for the current packet according to the packet communication mode, wherein FULL_DUPLEX and HALF_DUPLEX are valid values, an estimated network jitter, a full-duplex scaling factor (FSF), a full-duplex smoothing factor (FF), a half-duplex scaling factor (HSF), and a half-duplex smoothing factor (HF). ~~following procedure: —~~

15

Please delete paragraphs [0043]-[0051] as filed.

Please replace paragraph [0052] as filed with the following amended paragraph.

20

[0052] ~~Referencing the procedure described in Eqns. 2, the~~ The playout controller 42 first determines the mode of packet communication, then determines the network jitter, and finally calculates the playout delay for the current packet. The determined network jitter depends on the network delay variance of Eqns. 1, a scaling factor. The
25 playout delay depends on the jitter measurement for the current packet, a smoothing factor, and the actual playout delays for the previous packets. The playout controller 42 selects the scaling and smoothing factors depending on the mode of packet communication, either FULL_DUPLEX or HALF_DUPLEX, as determined by the active detector 40.

30

Please replace paragraph [0062] as filed with the following amended paragraph.

[0062] The playout controller 42 calculates the playout delay of the current packet according to the detected mode of step 102 and the estimated network delay of step 104, and forwards the playout delay of the current packet to the playout buffer 34.

- 5 The procedure of calculating the playout delay for the current packet-Eqns. 2 is performed. The playout delay for the current packet is stored in the playout controller 42 for use in a future execution of this procedure (FIG. 3) for a next packet;